Informatics studies at the University of Fribourg provide in-depth theoretical knowledge while placing a strong emphasis in relation to practice. Our approach to informatics is oriented towards problem analysis and solution; teaching takes place in a friendly atmosphere. Students carry out several one-semester projects in which they learn to apply their acquired knowledge successfully in a variety of contexts. Examples of current projects are programming of robots, controlling processes, working with various programming models, and developing multimodal applications for the Internet. The major study programme in informatics is complemented by minors which can be freely chosen. It is also possible to choose programmes from other university fields of study. This Bachelor's degree can give access to the Swiss Joint Master in Computer Science offered by the universities of Bern, Neuchâtel and Fribourg.

The Fribourg University Bachelor of Science degree in Informatics lays an excellent foundation for later employment. It enables direct entry into working life, or the possibility of earning further qualifications by pursuing the Master's degree in computer science. The Master's degree offers enhanced possibilities of obtaining even more attractive positions in companies or universities. This is why a high percentage of our Bachelor of Science graduates continue their studies in the Swiss Joint Master in Computer Science offered by the universities of Bern, Neuchâtel and Fribourg. This highly attractive computer science Master's programme in Switzerland is made possible by the cooperation of these three universities. Students can gain admission to other universities while remaining matriculated in Fribourg. There is a rising demand for computer scientists with optimum qualifications – and a growing scarcity of specialists in the field. As a computer scientist you help shape the future – in industry, commerce, administration, the service sector and research. All in all: you will receive the best basis for a successful start to your professional career.

Learning outcomes and career prospects

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Studies organisation

Structure of studies

120 ECTS credits + 60 ECTS credits in one or two minor study programmes freely chosen, 6 semesters

Curriculum

http://studies.unifr.ch/go/mjkY5 (French)
http://studies.unifr.ch/go/0JTFn (German)

Admission

The following Swiss school-leaving certificates grant admission to Bachelor programmes at the University of Fribourg:

- Swiss academic Maturity Certificate
- Swiss vocational or specialised Baccalaureate in conjunction with the supplementary exam certificate from the Swiss Maturity Commission
- Bachelor Degree from a Swiss university, from an accredited Swiss university of applied sciences (HES/FH) or
from a Swiss university of teacher education (HEP/PH)

A complete list of all further recognized Swiss school-leaving certificates is to be found on the webpages of swissuniversities (in French and German only): http://studies.unifr.ch/go/en-admission-swiss-certificates

Foreign upper secondary school-leaving certificates are recognised only if they correspond substantially to the Swiss Maturity Certificate. They must qualify as general education. Foreign school-leaving certificates are considered to be general education if the last three years of schooling include at least six general education subjects, independent from each other, in accordance with the following list:

1. First language (native language)
2. Second language
3. Mathematics
4. Natural sciences (biology, chemistry or physics)
5. Humanities and social sciences (geography, history or economics/law)
6. Elective (an additional language or an additional subject from category 4 or 5)

The general admission requirements to the Bachelor programmes at the University of Fribourg for holders of foreign school-leaving certificates as well as the admission requirements for individual countries are to be found on the webpages of swissuniversities: http://studies.unifr.ch/go/en-admission-countrylist

In addition, foreign candidates must present proof of sufficient language skills in French or German.

The assessment of foreign school-leaving certificates is based on the «CRUS Recommendations for the Assessment of Foreign Upper Secondary School-Leaving Certificates, 7 September 2007» (http://studies.unifr.ch/go/crus07en). The admission requirements are valid for the respective academic year. The Rectorat of the University of Fribourg reserves the right to change these requirements at any time.

Alternatives

Also offered as a minor study programme (60/30 ECTS credits).

Contact

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